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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/871,561	05/31/2001	Hee-Sun Cho	678-667 (P9391)	1131

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EXAMINER

CHAWAN, VIJAY B

ART UNIT	PAPER NUMBER
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2654

DATE MAILED: 02/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/871,561	CHO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Vijay B. Chawan	2654	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 08 November 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by La Medica, Jr., et al., (6,625,451).

As per claim 1, La Medica Jr., et al., teach a method for operating a voice function including a speech recognition function and a function for outputting a voice memo in a dual-mode radio mobile terminal, the terminal including a vocoder for converting data between PCM format and packet format, comprising the steps of:

determining whether request for the voice function is input or not in analog mode (Col.10, lines 49-58);

switching the vocoder into digital mode to operate the voice function (Col.10, lines 49-66); and,

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operating the voice function in digital mode (Col.10, lines 49-66).

As per claim 2, La Medica Jr., et al., teach the method for operating a voice function as claimed in claim 1, wherein the vocoder is switched from PCM mode to packet mode (Col.12, lines 23-35).

As per claim 3, La Medica Jr., et al., teach the method for operating a voice function as claimed in claim 2, further comprising the step of switching the vocoder back to PCM mode if a call request is input during operation of the voice function in packet mode (Col.12, lines 23-35).

As per claim 4, La Medica Jr., et al., teach the method for operating a voice function as claimed in claim 2, further comprising the step of switching the vocoder back to PCM mode if the voice function is terminated (Col.10, lines 49-66).

As per claim 5, La Medica Jr., et al., teach a method for operating a voice function including a speech recognition function and a function for output of stored information by voice in a mobile terminal, the mobile terminal including a vocoder for converting data between PCM format and packet format, comprising the steps of:

determining whether request for the voice function is input or not in analog mode (Col.10, lines 49-66);

switching the vocoder into digital mode to operate the voice function (Col.10, lines 49-66);

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operating the voice function in digital mode (Col.10, lines 49-66); and,  
switching the vocoder back to PCM mode if the voice function is terminated  
(Col.10, lines 49-66, Col.12, lines 23-35).

As per claim 6, La Medica Jr., et al., teach a method for operating a voice  
function including a speech recognition function and a function for output of stored  
information in a mobile terminal, the mobile terminal including a vocoder for  
converting data between PCM format and packet format, comprising the steps of:

determining whether request for the voice function is input or not in analog  
mode (Col.10, lines 49-66);

switching the vocoder from PCM mode to packet mode (Col.10, lines 49-66,  
Col.12, lines 23-35);

selecting one of speech recognition function and voice output function  
(Col.10, lines 49-66);

operating the selected function (Col.10, lines 49-66); and,

switching the vocoder back to PCM mode if the voice function is terminated  
(Col.10, lines 49-66, Col.12, lines 23-35).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-6 have been considered but  
are moot in view of the new ground(s) of rejection.

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Higuchi (6,438,358) teaches a multi-band radio terminal apparatus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vijay B. Chawan whose telephone number is (703) 305-3836. The examiner can normally be reached on Monday Through Thursday 7-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richemond Dorvil can be reached on (703) 305-9645. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Vijay B. Chawan  
Primary Examiner  
Art Unit 2654

vbc  
2/16/05

**VIJAY CHAWAN  
PRIMARY EXAMINER**